

PARVATI JAYAKUMAR

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SKILLS

Programming: Python, MATLAB, SQL, Shell, C, C++, Arduino programming

Document Creation: Microsoft Office Suite, LaTeX

Other Technologies: Azure Databricks, Azure Machine Learning, Git, Docker, Kubernetes, Fast API, Streamlit

Industry Knowledge: Natural Language Processing, Speech signal processing, Audio Analysis, Clinical Data Analysis, Basic Computer Vision.

EDUCATION

University of Washington, Seattle

September 2023 - March 2025 (Present)

MS | *Data Science*

Indian Institute of Information Technology Dharwad

August 2018 - August 2022

B. Tech. | *Electronics and Communication*

Grade: 9.4/10

- Institute Gold Medal and Department Gold Medal for Outstanding Academic Performance.

WORK EXPERIENCE

Associate

November 2023 - Present

UW SEAL

Seattle, WA, US

Clinical Data Analyst

November 2021 - June 2023

MiiCare Ltd.

London, UK

- Analyzed the data of older adults living independently at home, in care homes, and in Discharge-To-Assess settings mainly to identify health trends and risk factors and improve their personalized care. Created reports and visualizations to communicate these findings and insights to stakeholders.
- Responsible for managing the NLP projects (particularly intuition prediction and chatbot) in the company.
- Lead in designing the MVP for 'MiiVoice'; where the prime focus is to predict and analyze the mental health conditions of a patient solely using their voice.
- Researched, Developed, and Tested insights and algorithms that detect early signs of changes in older adults (Sleep pattern, Mobility, and Daily Living).
- Research experience in Acoustic Gait Analysis ([BSN 2023](#), [arXiv](#)).

Microsoft Azure Machine Learning Scholar

July 2020 - January 2021

Udacity

Remote

- **Phase 1** - Got introduced to Machine learning with Microsoft Azure, organized and presented in 8 webinars, participated in Kaggle competitions, published a technical magazine, actively hosted and took part in 3-24hrs study programs.
- **Phase 2** - Worked on 3 mini projects and a final project ("Machine Learning with Titanic dataset on Azure SDK") where I was exposed to training and deploying ML models.

Summer Intern

May 2019 - July 2019

Indian Institute of Science

Bengaluru, India

- Worked under Dr.Suresh Sundaram, Associate professor, AIRL department of Aeronautics engineering on the project: Facial recognition using Facenet model in PyTorch

PROJECTS

ASR and TTS for Hindi language ([TENCON 2022](#))

Jan 2021 – May 2022

Python, Shell

IIIT Dharwad

Data Analytics on Stackoverflow questions

Aug 2021 – Dec 2021

Python

IIIT Dharwad

Automatic Number Plate Detection for Indian vehicles

August 2020 - December 2020

Python

IIIT Dharwad